

REMARKS

This application has been carefully reviewed in light of the Office Action dated February 21, 2008. Claims 1 to 30 are pending in the application, of which Claims 1, 22, 24, 26, 28 and 30 are in independent form. Reconsideration and further examination are respectfully requested.

Applicants wish to thank the Examiner for the indication that Claims 10 to 18, 20 and 21 contain allowable subject matter, and were merely objected to for their dependence on a rejected base claim. Despite this indication, the claims have been amended.

Claims 13, 15, 17, 18, 20, 21 and 34 were objected to under 37 C.F.R. 1.83(c) for informalities. Claim 34 has been cancelled without prejudice or disclaimer of subject matter, and the amendments to Claims 13, 15, 17, 18, 20, 21 are believed to overcome the objection. Accordingly, reconsideration and withdrawal of the objection are respectfully requested.

Claims 11, 13, 15 to 18, 20, 21 and 31 to 33 were rejected under 35 U.S.C. § 112, second paragraph. Claims 31 to 33 have been cancelled without prejudice or disclaimer of subject matter, and the amendments to Claims 11, 13, 15 to 18, 20 and 21 are believed to overcome the rejection. Accordingly, reconsideration and withdrawal of the § 112 rejection are respectfully requested.

Claims 1 to 6, 8, 24, 25, 28, 29 and 31 to 33 were rejected under 35 U.S.C. § 102(e) over U.S. Patent Application Publication No. 2006/0020586 (Prompt). Claims 7, 9, 19, 22, 23, 26, 27 and 30 were rejected under 35 U.S.C. § 103(a) over Prompt in view of

U.S. Patent Application Publication No. 2007/0156677 (Szabo). Reconsideration and withdrawal of the rejections are respectfully requested.

Claims 1, 24 and 28

The present invention, as defined by Claims 1, 24 and 28, involves presenting data from at least one data source. A representation of the at least one data source and a plurality of previous views of the at least one data source is provided. At least one compulsory entity in the representation is identified, and at least one context entity is determined from the representation and context data obtained from the plurality of previous views. A data structure comprising the at least one compulsory entity and the at least one context entity is presented.

Applicants submit that the applied references, alone or in any permissible combination, are not seen to disclose or to suggest the features of Claims 1, 24 and 28, and in particular, are not seen to disclose or to suggest at least the features of (i) determining at least one context entity from a representation of at least one data source and context data obtained from a plurality of previous views of the at least one data source, and (ii) presenting a data structure comprising at least one compulsory entity in the representation and the at least one context entity.

Prompt is believed to disclose providing access to databases via directories and other hierarchical structures. A hierarchical/relational translation is provided which includes a virtual directory server for capturing information in the nature of a relational database schema and metadata. The captured schema and metadata are then translated into virtual directories. A virtual directory of information organizes an index of data records

and a standard addressing schema is provided to enable customizable access to relevant views of relational computing systems. Figure 9 of Prompt shows a graphical representation of a user interface for displaying directory view definitions.

However, Prompt is believed to be silent on determining context entities from a representation of a data source and context data obtained from a plurality of previous views of the one data source.

Therefore, Prompt is not believed to disclose or to suggest at least the features of (i) determining at least one context entity from a representation of at least one data source and context data obtained from a plurality of previous views of the at least one data source, and (ii) presenting a data structure comprising at least one compulsory entity in the representation and the at least one context entity.

Szabo has been studied, but it is not seen to teach anything that, when combined with Prompt, would overcome the deficiencies of Prompt as described above.

In view of the foregoing amendments and remarks, independent Claims 1, 24 and 28, as well as the claims dependent therefrom, are believed to be in condition for allowance.

Claims 22, 26 and 30

The present invention, as defined by Claims 22, 26 and 30, involves constructing and presenting data for a keyword searching operation in at least one data source involving at least one search keyword. A graphical representation of the at least one data source and a plurality of previous views of the at least one data source is constructed. At least one compulsory entity is identified in the graphical representation. The

compulsory entity is a node in the graphical representation representing a location of the one or more at least one search keyword. At least one data structure comprising the at least one compulsory entity and one or more context entities corresponding to at least one search keyword is constructed. The context entities are obtained from the graphical representation using context data obtained from the plurality of previous views. The at least one data structure is presented as result of the keyword searching operation.

Applicants submit that the applied references, alone or in any permissible combination, are not seen to disclose or to suggest the features of Claims 22, 26 and 30, and in particular, are not seen to disclose or to suggest at least the features of (i) obtaining one or more context entities corresponding to at least one search keyword, wherein the at least one context entity is obtained from a graphical representation of at least one data source using context data obtained from a plurality of previous views of the at least one data source, (ii) constructing at least one data structure comprising at least one compulsory entity in the graphical representation and the at least one context entity, and (iii) presenting the at least one data structure as a result of a keyword searching operation.

As described above, Prompt is believed to disclose providing access to databases via directories and other hierarchical structures. A hierarchical /relational translation is provided which includes a virtual directory server for capturing information in the nature of a relational database schema and metadata. The captured schema and metadata are then translated into virtual directories. A virtual directory of information organizes an index of data records and a standard addressing schema is provided to enable customizable access to relevant views of relational computing systems. Figure 9 of Prompt

shows a graphical representation of a user interface for displaying directory view definitions.

However, Prompt is believed to be silent on obtaining one or more context entities corresponding to a search keyword, wherein the context entity is obtained from a graphical representation of a data source using context data obtained from a plurality of previous views of the data source.

Therefore, Prompt is not believed to disclose or to suggest at least the features of (i) obtaining one or more context entities corresponding to at least one search keyword, wherein the at least one context entity is obtained from a graphical representation of at least one data source using context data obtained from a plurality of previous views of the at least one data source, (ii) constructing at least one data structure comprising at least one compulsory entity in the graphical representation and the at least one context entity, and (iii) presenting the at least one data structure as a result of a keyword searching operation.

Szabo has been studied, but it is not seen to teach anything that, when combined with Prompt, would overcome the deficiencies of Prompt as described above.

In view of the foregoing amendments and remarks, independent Claims 22, 26 and 30, as well as the claims dependent therefrom, are believed to be in condition for allowance

The Abstract has been amended to attend to the objection entered against it. Accordingly, reconsideration and withdrawal of the objection are respectfully requested.

No other matters being raised, it is believed that the entire application is fully in condition for allowance, and such action is courteously solicited.

Applicants' undersigned attorney may be reached in our Costa Mesa, California office at (714) 540-8700. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,

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